Plant # 324

200,000 TPY PHENOL / ACETONE PLANT

Capacity:
200,000 TPY phenol
125,000 TPY acetone

Product Purity:
Phenol 99.99%
Acetone 99.9%

Feedstock:
Cumene

Yield Ratio
Cumene : Phenol : Acetone
1.35 : 1 : 1

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BRIEF PROCESS DESCRIPTION

The plant uses partial oxidation process to convert cumene into phenol and acetone. The cumene-hydroperoxide process produces CHP by the oxidation of cumene with a gas containing oxygen in an air lift reactor. The intermediate cumene hydroperoxide is then hydrolyzed in an acidic medium to give phenol and acetone. The final products are extracted through distillation.

The plant was originally designed to produce 110,000 TPY of phenol, and in a later year upgraded to 200,000 TPY.

CONTACT US FOR MORE DETAILS